Mei Yan

List of Publications by Year in Descending Order

148 papers	5,356 citations	43 h-index	66 g-index
153 ext. papers	5,938 ext. citations	7.9 avg, IF	5.86 L-index

#	Paper	IF	Citations
148	An enzyme-activated two-photon ratiometric fluorescent probe with lysosome targetability for imaging -glucuronidase in colon cancer cells and tissue.. *Analytica Chimica Acta*, **2022**, 1192, 339354	6.6	3
147	Mitochondria-targeted and FRET-based fluorescent probe for the imaging of endogenous SO in living cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 265, 120397	4.4	1
146	A Novel Ratiometric Electrochemical Biosensor Using Only One Signal Tag for Highly Reliable and Ultrasensitive Detection of miRNA-21.. *Analytical Chemistry*, **2022**, 94, 5167-5172	7.8	5
145	Sunlight-Responsive Titania-Hydrated Tungsten Oxide Heteronanoparticles/Paper-Based Color-Switching Film for Solar Ultraviolet Radiation Monitors. *ACS Applied Nano Materials*, **2022**, 5, 4009-4017	5.6	1
144	Integrating Ti3C2/MgIn2S4 heterojunction with a controlled release strategy for split-type photoelectrochemical sensing of miRNA-21. *Analytica Chimica Acta*, **2022**, 1215, 339990	6.6	0
143	Electrochemical Resonance of Molecular Motion Enabling Label-, Antibody-, and Enzyme-Free Detection of SARS-CoV-2. *ACS Sensors*, **2021**, 6, 1613-1620	9.2	6
142	Amphiphilic copolymer fluorescent probe for mitochondrial viscosity detection and its application in living cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 252, 119499	4.4	6
141	Minimalist Design for a Hand-Held SARS-Cov-2 Sensor: Peptide-Induced Covalent Assembly of Hydrogel Enabling Facile Fiber-Optic Detection of a Virus Marker Protein. *ACS Sensors*, **2021**, 6, 2465-2471	9.2	2
140	A near-infrared fluorescent probe with large stokes shift for accurate detection of -glucuronidase in living cells and mouse models. *Sensors and Actuators B: Chemical*, **2021**, 326, 128849	8.5	10
139	"Covalent biosensing" enables a one-step, reagent-less, low-cost and highly robust assay of SARS-CoV-2. *Chemical Communications*, **2021**, 57, 10771-10774	5.8	0
138	Near-Infrared Light-Initiated Photoelectrochemical Biosensor Based on Upconversion Nanorods for Immobilization-Free miRNA Detection with Double Signal Amplification. *Analytical Chemistry*, **2021**, 93, 11251-11258	7.8	12
137	On-Demand Regulation of Photoreversible Color Switching for Rewritable Paper and Transient Information Encryption. *ACS Applied Materials & Interfaces*, **2021**, 13, 44797-44805	9.5	4
136	Dual-channel colorimetric fluorescent probe for determination of hydrazine and mercury ion. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 258, 119868	4.4	5
135	Two-photon fluorescent probes for detecting the viscosity of lipid droplets and its application in living cells.. *RSC Advances*, **2021**, 11, 8250-8254	3.7	1
134	A reaction-based sensing scheme for volatile organic amine reagents with the chromophoric-fluorogenic dual mode. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 240, 118539	4.4	4
133	Peptide cleavage-mediated photoelectrochemical signal on-off via CuS electronic extinguisher for PSA detection. *Biosensors and Bioelectronics*, **2020**, 150, 111958	11.8	18
132	Ultrasensitive and specific microRNA detection via dynamic light scattering of DNA network based on rolling circle amplification. *Sensors and Actuators B: Chemical*, **2020**, 324, 128693	8.5	9

131	Ultrasensitive DNA Detection Based on Inorganic-Organic Nanocomposite Cosensitization and G-Quadruplex/Hemin Catalysis for Signal Amplification. *ACS Applied Materials & Interfaces*, **2020**, 12, 42604-42611	9.5	2
130	A 4-N,N-dimethylaminoaniline salicylaldehyde Schiff-base solution-solid dual emissive fluorophore: An aggregation-induced turquoise emission characteristics in liquid as a fluorescent probe for Zn response; a strong near-infrared emission in solid state and application for optical data storage. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 226, 117608	4.4	3
129	Signal-switchable lab-on-paper photoelectrochemical aptasensing system integrated triple-helix molecular switch with charge separation and recombination regime of type-II CdTe@CdSe core-shell quantum dots. *Biosensors and Bioelectronics*, **2020**, 147, 111786	11.8	19
128	A FRET-based ratiometric two-photon fluorescent probe for superoxide anion detection and imaging in living cells and tissues. *Analyst, The*, **2019**, 144, 1704-1710	5	9
127	Photoelectrochemical biosensor of HIV-1 based on cascaded photoactive materials and triple-helix molecular switch. *Biosensors and Bioelectronics*, **2019**, 139, 111325	11.8	28
126	Visual distance readout to display the level of energy generation in paper-based biofuel cells: application to enzymatic sensing of glucose. *Mikrochimica Acta*, **2019**, 186, 283	5.8	3
125	Ultrasensitive Microfluidic Paper-Based Electrochemical Biosensor Based on Molecularly Imprinted Film and Boronate Affinity Sandwich Assay for Glycoprotein Detection. *ACS Applied Materials & Interfaces*, **2019**, 11, 16198-16206	9.5	58
124	Progress in miRNA Detection Using Graphene Material-Based Biosensors. *Small*, **2019**, 15, e1901867	11	24
123	Triggerable HO-Cleavable Switch of Paper-Based Biochips Endows Precision of Chemometer/Ratiometric Electrochemical Quantification of Analyte in High-Efficiency Point-of-Care Testing. *Analytical Chemistry*, **2019**, 91, 10273-10281	7.8	22
122	Noninvasive and Wearable Respiration Sensor Based on Organic Semiconductor Film with Strong Electron Affinity. *Analytical Chemistry*, **2019**, 91, 10320-10327	7.8	13
121	A Paper-Supported Photoelectrochemical Sensing Platform Based on Surface Plasmon Resonance Enhancement for Real-Time H2S Determination. *Journal of Analysis and Testing*, **2019**, 3, 89-98	3.2	4
120	Fast response and highly selective detection of hydrogen sulfide with a ratiometric two-photon fluorescent probe and its application for bioimaging. *Sensors and Actuators B: Chemical*, **2018**, 261, 51-57	8.5	34
119	Dual-mode fluorescence biosensor platform based on T-shaped duplex structure for detection of microRNA and folate receptor. *Sensors and Actuators B: Chemical*, **2018**, 261, 44-50	8.5	12
118	Multiplexed aptasensor for simultaneous detection of carcinoembryonic antigen and mucin-1 based on metal ion electrochemical labels and Ru(NH) electronic wires. *Biosensors and Bioelectronics*, **2018**, 99, 8-13	11.8	37
117	Flexible Electronics Based on Micro/Nanostructured Paper. *Advanced Materials*, **2018**, 30, e1801588	24	185
116	Hierarchical hematite/TiO nanorod arrays coupled with responsive mesoporous silica nanomaterial for highly sensitive photoelectrochemical sensing. *Biosensors and Bioelectronics*, **2018**, 117, 515-521	11.8	21
115	Ultrasensitive electrochemiluminescence assay of tumor cells and evaluation of HO on a paper-based closed-bipolar electrode by in-situ hybridization chain reaction amplification. *Biosensors and Bioelectronics*, **2018**, 102, 411-417	11.8	79
114	Paper-Based Electronics: Flexible Electronics Based on Micro/Nanostructured Paper (Adv. Mater. 51/2018). *Advanced Materials*, **2018**, 30, 1870394	24	35

113	TBET-based ratiometric fluorescent probe for Hg with large pseudo-Stokes shift and emission shift in aqueous media and intracellular colorimetric imaging in live Hela cells. *Biosensors and Bioelectronics*, **2018**, 121, 62-71	11.8	29
112	Nanomaterials-modified cellulose paper as a platform for biosensing applications. *Nanoscale*, **2017**, 9, 4366-4382	7.7	85
111	Microfluidic Paper-Based Analytical Device for Sensitive Detection of Peptides Based on Specific Recognition of Aptamer and Amplification Strategy of Hybridization Chain Reaction. *ChemElectroChem*, **2017**, 4, 1744-1749	4.3	12
110	Metal-Enhanced Ratiometric Fluorescence/Naked Eye Bimodal Biosensor for Lead Ions Analysis with Bifunctional Nanocomposite Probes. *Analytical Chemistry*, **2017**, 89, 3597-3605	7.8	47
109	Ultrasensitive Photoelectrochemical Biosensing of Cell Surface N-Glycan Expression Based on the Enhancement of Nanogold-Assembled Mesoporous Silica Amplified by Graphene Quantum Dots and Hybridization Chain Reaction. *ACS Applied Materials & Interfaces*, **2017**, 9, 6670-6678	9.5	72
108	Electrochemiluminescence DNA biosensor based on the use of gold nanoparticle modified graphite-like carbon nitride. *Mikrochimica Acta*, **2017**, 184, 2587-2596	5.8	15
107	Metal-enhanced fluorescence/visual bimodal platform for multiplexed ultrasensitive detection of microRNA with reusable paper analytical devices. *Biosensors and Bioelectronics*, **2017**, 95, 181-188	11.8	32
106	Highly selective ratiometric fluorescent probe based on diketopyrrolopyrrole for Au3+: an experimental and theoretical study. *New Journal of Chemistry*, **2017**, 41, 5055-5060	3.6	8
105	Paper-based biosensor for noninvasive detection of epidermal growth factor receptor mutations in non-small cell lung cancer patients. *Sensors and Actuators B: Chemical*, **2017**, 251, 440-445	8.5	37
104	Carbon nanostructures in biology and medicine. *Journal of Materials Chemistry B*, **2017**, 5, 6437-6450	7.3	76
103	Electrochemiluminescence behavior of AgNCs and its application in immunosensors based on PANI/PPy-Ag dendrite-modified electrode. *Analyst, The*, **2017**, 142, 2587-2594	5	15
102	Turning Nonspecific Interference into Signal Amplification: Covalent Biosensing Nanoassembly Enabled by Metal-Catalyzed Cross-Coupling. *Analytical Chemistry*, **2017**, 89, 6834-6839	7.8	6
101	A sensitive Pb2+ testing method based on aptamer-functionalized peroxidase-like 3D-flower MoS2 microspheres. *New Journal of Chemistry*, **2017**, 41, 7052-7060	3.6	12
100	Growth and accelerated differentiation of mesenchymal stem cells on graphene-oxide-coated titanate with dexamethasone on surface of titanium implants. *Dental Materials*, **2017**, 33, 525-535	5.7	33
99	Fabrication of Lab-on-Paper Using Porous Au-Paper Electrode: Application to Tumor Marker Electrochemical Immunoassays. *Methods in Molecular Biology*, **2017**, 1572, 125-134	1.4	1
98	On□ff□n fluorescence sensing of glutathione in food samples based on a graphitic carbon nitride (g-C3N4)□Cu2+ strategy. *New Journal of Chemistry*, **2017**, 41, 3374-3379	3.6	17
97	Internal Light Source-Driven Photoelectrochemical 3D-rGO/Cellulose Device Based on Cascade DNA Amplification Strategy Integrating Target Analog Chain and DNA Mimic Enzyme. *ACS Applied Materials & Interfaces*, **2017**, 9, 37839-37847	9.5	21
96	Cerium Dioxide-Mediated Signal "On-Off" by Resonance Energy Transfer on a Lab-On-Paper Device for Ultrasensitive Detection of Lead Ions. *ACS Applied Materials & Interfaces*, **2017**, 9, 32591-32598	9.5	18

95	Steric paper based ratio-type electrochemical biosensor with hollow-channel for sensitive detection of Zn2+. *Science Bulletin*, **2017**, 62, 1114-1121	10.6	20
94	Sensitive and rapid detection of microRNAs using hairpin probes-mediated exponential isothermal amplification. *Biosensors and Bioelectronics*, **2017**, 89, 710-714	11.8	57
93	Self-powered sensing platform equipped with Prussian blue electrochromic display driven by photoelectrochemical cell. *Biosensors and Bioelectronics*, **2017**, 89, 728-734	11.8	16
92	3D origami electrochemical device for sensitive Pb testing based on DNA functionalized iron-porphyrinic metal-organic framework. *Biosensors and Bioelectronics*, **2017**, 87, 108-115	11.8	59
91	Visible photoelectrochemical sensing platform by in situ generated CdS quantum dots decorated branched-TiO nanorods equipped with Prussian blue electrochromic display. *Biosensors and Bioelectronics*, **2017**, 89, 859-865	11.8	64
90	In-situ synthesized polypyrrole-cellulose conductive networks for potential-tunable foldable power paper. *Nano Energy*, **2017**, 31, 174-182	17.1	93
89	A paper-based electrochemiluminescence electrode as an aptamer-based cytosensor using PtNi@carbon dots as nanolabels for detection of cancer cells and for in-situ screening of anticancer drugs. *Mikrochimica Acta*, **2016**, 183, 1873-1880	5.8	43
88	A Graphene-enhanced imaging of microRNA with enzyme-free signal amplification of catalyzed hairpin assembly in living cells. *Biosensors and Bioelectronics*, **2016**, 85, 909-914	11.8	49
87	Fluorescence "turn-on" determination of H2O2 using multilayer porous SiO2/NGQDs and PdAu mimetics enzymatic/oxidative cleavage of single-stranded DNA. *Biosensors and Bioelectronics*, **2016**, 82, 204-11	11.8	35
86	A 3D electrochemical immunodevice based on an Au paper electrode and using Au nanoflowers for amplification. *New Journal of Chemistry*, **2016**, 40, 2835-2842	3.6	19
85	An aldehyde group-based P-acid probe for selective fluorescence turn-on sensing of cysteine and homocysteine. *Biosensors and Bioelectronics*, **2016**, 80, 17-23	11.8	31
84	Multifunctional reduced graphene oxide trigged chemiluminescence resonance energy transfer: Novel signal amplification strategy for photoelectrochemical immunoassay of squamous cell carcinoma antigen. *Biosensors and Bioelectronics*, **2016**, 79, 55-62	11.8	21
83	Electrochemiluminescent molecular logic gates based on MCNTs for the multiplexed analysis of mercury(II) and silver(I) ions. *RSC Advances*, **2016**, 6, 26147-26154	3.7	8
82	Paper-based biosensor relying on flower-like reduced graphene guided enzymatically deposition of polyaniline for Pb(2+) detection. *Biosensors and Bioelectronics*, **2016**, 80, 215-221	11.8	41
81	A sensitive electrochemiluminescent immunosensor based on 3D-flower-like MoS2 microspheres and using AuPt nanoparticles for signal amplification. *RSC Advances*, **2016**, 6, 23411-23419	3.7	9
80	Microfluidic paper-based analytical device for photoelectrochemical immunoassay with multiplex signal amplification using multibranched hybridization chain reaction and PdAu enzyme mimetics. *Biosensors and Bioelectronics*, **2016**, 79, 416-22	11.8	57
79	Electrochemiluminescence of graphitic carbon nitride and its application in ultrasensitive detection of lead(II) ions. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 7181-91	4.4	24
78	Using carbon nanotubes-gold nanocomposites to quench energy from pinnate titanium dioxide nanorods array for signal-on photoelectrochemical aptasensing. *Biosensors and Bioelectronics*, **2016**, 82, 132-9	11.8	12

77	Platelike WO3 sensitized with CdS quantum dots heterostructures for photoelectrochemical dynamic sensing of H2O2 based on enzymatic etching. *Biosensors and Bioelectronics*, **2016**, 85, 205-211	11.8	35
76	Recognition-induced covalent capturing and labeling as a general strategy for protein detection. *Biosensors and Bioelectronics*, **2016**, 80, 560-565	11.8	10
75	Paper-Based Device for Colorimetric and Photoelectrochemical Quantification of the Flux of H2O2 Releasing from MCF-7 Cancer Cells. *Analytical Chemistry*, **2016**, 88, 5369-77	7.8	92
74	A simple and rapid detection assay for peptides based on the specific recognition of aptamer and signal amplification of hybridization chain reaction. *Biosensors and Bioelectronics*, **2016**, 83, 15-8	11.8	43
73	A novel fluorescence probe based on p-acid-Br and its application in thiourea detection. *RSC Advances*, **2016**, 6, 45001-45008	3.7	5
72	Paper analytical devices for dynamic evaluation of cell surface N-glycan expression via a bimodal biosensor based on multibranched hybridization chain reaction amplification. *Biosensors and Bioelectronics*, **2016**, 86, 756-763	11.8	19
71	Self-powered sensor for Hg2+ detection based on hollow-channel paper analytical devices. *RSC Advances*, **2015**, 5, 24479-24485	3.7	20
70	An electrochemical immunoassay based on trepang-like gold electrodes and nanogold functionalized flower-like hierarchical carbon materials with improved sensitivity. *New Journal of Chemistry*, **2015**, 39, 3452-3460	3.6	3
69	Branched zinc oxide nanorods arrays modified paper electrode for electrochemical immunosensing by combining biocatalytic precipitation reaction and competitive immunoassay mode. *Biosensors and Bioelectronics*, **2015**, 74, 823-9	11.8	13
68	Electrochemical K-562 cells sensor based on origami paper device for point-of-care testing. *Talanta*, **2015**, 145, 12-9	6.2	45
67	A sensitive quenched electrochemiluminescent DNA sensor based on the catalytic activity of gold nanoparticle functionalized MoS2. *New Journal of Chemistry*, **2015**, 39, 8100-8107	3.6	28
66	Detection of □fetoprotein with an ultrasensitive electrochemiluminescence paper device based on green-luminescent nitrogen-doped graphene quantum dots. *Sensors and Actuators B: Chemical*, **2015**, 221, 799-806	8.5	50
65	Self-powered competitive immunosensor driven by biofuel cell based on hollow-channel paper analytical devices. *Biosensors and Bioelectronics*, **2015**, 71, 18-24	11.8	32
64	Electrochemiluminescence device for in-situ and accurate determination of CA153 at the MCF-7 cell surface based on graphene quantum dots loaded surface villous Au nanocage. *Biosensors and Bioelectronics*, **2015**, 71, 286-293	11.8	31
63	Multiplexed enzyme-free electrochemical immunosensor based on ZnO nanorods modified reduced graphene oxide-paper electrode and silver deposition-induced signal amplification strategy. *Biosensors and Bioelectronics*, **2015**, 71, 30-36	11.8	52
62	Colorimetric detection of the flux of hydrogen peroxide released from living cells based on the high peroxidase-like catalytic performance of porous PtPd nanorods. *Biosensors and Bioelectronics*, **2015**, 71, 456-462	11.8	78
61	Ultrasensitive electrochemiluminescence aptasensor based on a graphene/polyaniline composite film modified electrode and CdS quantum dot coated platinum nanostructured networks as labels. *RSC Advances*, **2015**, 5, 70345-70351	3.7	8
60	Paper-Based Analytical Devices Relying on Visible-Light-Enhanced Glucose/Air Biofuel Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 24330-7	9.5	22

59	Ultrasensitive detection of lead ion sensor based on gold nanodendrites modified electrode and electrochemiluminescent quenching of quantum dots by electrocatalytic silver/zinc oxide coupled structures. *Biosensors and Bioelectronics*, **2015**, 65, 176-82	11.8	28
58	An ultrasensitive electrochemical immunosensor based on the catalytical activity of MoS2-Au composite using Ag nanospheres as labels. *Sensors and Actuators B: Chemical*, **2015**, 206, 30-36	8.5	90
57	3D origami electrochemical immunodevice for sensitive point-of-care testing based on dual-signal amplification strategy. *Biosensors and Bioelectronics*, **2015**, 63, 7-13	11.8	54
56	Cyto-sensing in electrochemical lab-on-paper cyto-device for in-situ evaluation of multi-glycan expressions on cancer cells. *Biosensors and Bioelectronics*, **2015**, 63, 232-239	11.8	46
55	Paper-based electrochemiluminescence origami cyto-device for multiple cancer cells detection using porous AuPd alloy as catalytically promoted nanolabels. *Biosensors and Bioelectronics*, **2015**, 63, 450-457	11.8	71
54	Gold nanorods-paper electrode based enzyme-free electrochemical immunoassay for prostate specific antigen using porous zinc oxide spheres□ilver nanoparticles nanocomposites as labels. *New Journal of Chemistry*, **2015**, 39, 6062-6067	3.6	39
53	Electrochemiluminescence PSA assay using an ITO electrode modified with gold and palladium, and flower-like titanium dioxide microparticles as ECL labels. *Mikrochimica Acta*, **2015**, 182, 1009-1016	5.8	17
52	Aptamer based test stripe for ultrasensitive detection of mercury(II) using a phenylene-ethynylene reagent on nanoporous silver as a chemiluminescence reagent. *Mikrochimica Acta*, **2014**, 181, 663-670	5.8	27
51	An origami electrochemiluminescence immunosensor based on gold/graphene for specific, sensitive point-of-care testing of carcinoembryonic antigen. *Sensors and Actuators B: Chemical*, **2014**, 193, 247-254	8.5	42
50	Photoelectrochemical sensor for pentachlorophenol on microfluidic paper-based analytical device based on the molecular imprinting technique. *Biosensors and Bioelectronics*, **2014**, 56, 97-103	11.8	91
49	Multiplex electrochemical origami immunodevice based on cuboid silver-paper electrode and metal ions tagged nanoporous silver-chitosan. *Biosensors and Bioelectronics*, **2014**, 56, 167-73	11.8	59
48	A near-infrared light photoelectrochemical immunosensor based on a Au-paper electrode and naphthalocyanine sensitized ZnO nanorods. *Journal of Materials Chemistry B*, **2014**, 2, 4811-4817	7.3	18
47	Aptamer-Based electrochemiluminescent detection of MCF-7 cancer cells based on carbon quantum dots coated mesoporous silica nanoparticles. *Electrochimica Acta*, **2014**, 146, 262-269	6.7	51
46	Electrochemiluminescence immunoassay using a paper electrode incorporating porous silver and modified with mesoporous silica nanoparticles functionalized with blue-luminescent carbon dots. *Mikrochimica Acta*, **2014**, 181, 1415-1422	5.8	26
45	Flexible paper-based ZnO nanorod light-emitting diodes induced multiplexed photoelectrochemical immunoassay. *Chemical Communications*, **2014**, 50, 1417-9	5.8	148
44	Graphene functionalized porous Au-paper based electrochemiluminescence device for detection of DNA using luminescent silver nanoparticles coated calcium carbonate/carboxymethyl chitosan hybrid microspheres as labels. *Biosensors and Bioelectronics*, **2014**, 59, 307-13	11.8	51
43	Paper-based electrochemical cyto-device for sensitive detection of cancer cells and in situ anticancer drug screening. *Analytica Chimica Acta*, **2014**, 847, 1-9	6.6	74
42	Using "dioscorea batatas bean"-like silver nanoparticles based localized surface plasmon resonance to enhance the fluorescent signal of zinc oxide quantum dots in a DNA sensor. *Biosensors and Bioelectronics*, **2014**, 61, 344-50	11.8	9

41	Electrochemiluminescence of peroxydisulfate using flower-like Ag@Au-paper electrode and Pd@Au-assisted multiple enzymatic labels. *Electrochimica Acta*, **2014**, 141, 391-397	6.7	8
40	Glucose oxidase-encapsulated nanogold hollow microspheres as labels based on a sensitive electroluminescent immunoassay. *RSC Advances*, **2014**, 4, 52796-52803	3.7	3
39	Graphene-palladium nanowires based electrochemical sensor using ZnFe2O4-graphene quantum dots as an effective peroxidase mimic. *Analytica Chimica Acta*, **2014**, 852, 181-8	6.6	39
38	Chemiluminescence excited paper-based photoelectrochemical competitive immunosensing based on porous ZnO spheres and CdS nanorods. *Journal of Materials Chemistry B*, **2014**, 2, 7679-7684	7.3	19
37	Growth of gold-manganese oxide nanostructures on a 3D origami device for glucose-oxidase label based electrochemical immunosensor. *Biosensors and Bioelectronics*, **2014**, 61, 76-82	11.8	90
36	A photoelectrochemical biosensor using ruthenium complex-reduced graphene oxide hybrid as the photocurrent signal reporter assembled on rhombic TiO2 nanocrystals driven by visible light. *Analytica Chimica Acta*, **2014**, 828, 27-33	6.6	16
35	Sandwich-type electrochemiluminescence immunosensor based on poly(acrylic acid) coated Fe3O4 composite for human chorionic gonadotrophin detection using quantum dots functionalized CNTs as labels. *Monatshefte F□ Chemie*, **2014**, 145, 147-154	1.4	2
34	Ultrasensitive chemiluminescence detection of DNA on a microfluidic paper-based analytical device. *Monatshefte F□ Chemie*, **2014**, 145, 129-135	1.4	17
33	Magnetic nanoparticle-based electrochemiluminescent immunosensor for detection of carcinoembryonic antigen based on silica nanosphere@gold nanoparticles-Ru as labels. *Monatshefte F□ Chemie*, **2014**, 145, 113-120	1.4	3
32	Highly sensitive hybridization assay using the electrochemiluminescence of an ITO electrode, CdTe quantum dots functionalized with hierarchical nanoporous PtFe nanoparticles, and magnetic graphene nanosheets. *Mikrochimica Acta*, **2014**, 181, 213-222	5.8	6
31	Molecularly Imprinted Polymer Grafted Porous Au-Paper Electrode for an Microfluidic Electro-Analytical Origami Device. *Advanced Functional Materials*, **2013**, 23, 3115-3123	15.6	101
30	Fluorescence-based immunoassay for human chorionic gonadotropin based on polyfluorene-coated silica nanoparticles and polyaniline-coated Fe3O4 nanoparticles. *Mikrochimica Acta*, **2013**, 180, 1509-1516	5.8	7
29	Gold□silver nanocomposite-functionalized graphene sensing platform for an electrochemiluminescent immunoassay of a tumor marker. *RSC Advances*, **2013**, 3, 14701	3.7	32
28	An aptasensor for sensitive detection of human breast cancer cells by using porous GO/Au composites and porous PtFe alloy as effective sensing platform and signal amplification labels. *Analytica Chimica Acta*, **2013**, 798, 33-9	6.6	84
27	Preparation of Fe(3)O(4)@C@CNC multifunctional magnetic core/shell nanoparticles and their application in a signal-type flow-injection photoluminescence immunosensor. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 9555-61	4.4	4
26	Three-dimensional nanoflower-like MnO2 functionalized graphene as catalytically promoted nanolabels for ultrasensitive electrochemiluminescence immunoassay. *Electrochimica Acta*, **2013**, 97, 333-340	6.7	25
25	Photoelectrochemical lab-on-paper device based on an integrated paper supercapacitor and internal light source. *Analytical Chemistry*, **2013**, 85, 3961-70	7.8	130
24	Photoelectrochemical lab-on-paper device based on molecularly imprinted polymer and porous Au-paper electrode. *Analyst, The*, **2013**, 138, 4802-11	5	27

23	A microfluidic origami electrochemiluminescence aptamer-device based on a porous Au-paper electrode and a phenyleneethynylene derivative. *Chemical Communications*, **2013**, 49, 1383-5	5.8	74
22	Facile and sensitive paper-based chemiluminescence DNA biosensor using carbon dots dotted nanoporous gold signal amplification label. *Analytical Methods*, **2013**, 5, 1328	3.2	64
21	Electropolymerized Poly(3,4-ethylendioxythiophene)/Graphene Composite Film and its Application in Quantum Dots Electrochemiluminescence Immunoassay. *Journal of Inorganic and Organometallic Polymers and Materials*, **2013**, 23, 719-725	3.2	14
20	Multiplexed sandwich immunoassays using flow-injection electrochemiluminescence with designed substrate spatial-resolved technique for detection of tumor markers. *Biosensors and Bioelectronics*, **2013**, 41, 684-90	11.8	84
19	Synthesis of polyaniline using electrochemical polymerization and application in a sensitive DNA biosensor with [Ru(bpy)3]2+ functionalized nanoporous gold composite as label. *Monatshefte F Chemie*, **2013**, 144, 1759-1765	1.4	4
18	Three-dimensional paper-based electrochemiluminescence immunodevice for multiplexed measurement of biomarkers and point-of-care testing. *Biomaterials*, **2012**, 33, 1024-31	15.6	318
17	Ultrasensitive electrochemical immunosensor based on Au nanoparticles dotted carbon nanotube-graphene composite and functionalized mesoporous materials. *Biosensors and Bioelectronics*, **2012**, 33, 29-35	11.8	139
16	Magnetic beads-based electrochemiluminescence immunosensor for determination of cancer markers using quantum dot functionalized PtRu alloys as labels. *Analyst, The*, **2012**, 137, 2176-82	5	53
15	Multi-branch chemiluminescence molecular imprinting sensor for sequential determination of carbofuran and omethoate in foodstuff. *Analytical Methods*, **2012**, 4, 3150	3.2	12
14	Synthesis, characterization of a novel phenyleneethynylene derivative and application in a fluorescence DNA sensor. *Analytical Methods*, **2012**, 4, 4339	3.2	4
13	A disposable electrochemical immunosensor based on carbon screen-printed electrodes for the detection of prostate specific antigen. *Biosensors and Bioelectronics*, **2012**, 38, 355-61	11.8	86
12	Electrochemical DNA sensor based on three-dimensional folding paper device for specific and sensitive point-of-care testing. *Electrochimica Acta*, **2012**, 80, 334-341	6.7	147
11	Application of indium tin oxide device in gold-coated magnetic iron solid support enhanced electrochemiluminescent immunosensor for determination of carcinoma embryonic antigen. *Sensors and Actuators B: Chemical*, **2012**, 171-172, 891-898	8.5	24
10	Ultrasensitive electrochemiluminescence immunoassay for tumor marker detection using functionalized Ru-silica@nanoporous gold composite as labels. *Analyst, The*, **2012**, 137, 680-5	5	55
9	Ultrasensitive electrochemiluminescence detection of DNA based on nanoporous gold electrode and PdCu@carbon nanocrystal composites as labels. *Analyst, The*, **2012**, 137, 3314-20	5	17
8	Fluorescence immunosensor based on p-acid-encapsulated silica nanoparticles for tumor marker detection. *Analyst, The*, **2012**, 137, 2834-9	5	21
7	Monitoring of bovine serum albumin using ultrasensitive electrochemiluminescence biosensors based on multilayer CdTe quantum dots modified indium tin oxide electrodes. *Analytical Methods*, **2012**, 4, 460-466	3.2	12
6	Ultrasensitive electrochemiluminescence immunosensor using PtAg@carbon nanocrystals composites as labels and carbon nanotubes-chitosan/gold nanoparticles as enhancer. *Analyst, The*, **2012**, 137, 2112-8	5	34

5	A novel high selectivity sensor for tetradifon residues based on double-side hollow molecularly imprinted materials. *Analytical Methods*, **2012**, 4, 177-182	3.2	4
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